CLAIMS

1. A lithium secondary battery negative electrode component material, formed by laminating onto a substrate a metallic lithium film and an inorganic solid-electrolyte film, the lithium secondary battery negative electrode component material characterized in that the inorganic solid-electrolyte film incorporates lithium, phosphorous, sulfur, and oxygen, and is represented by the following compositional formula:

$$a\text{Li} \cdot b\text{P} \cdot c\text{S} \cdot d\text{O}$$

10 (Li: lithium; P: phosphorous; S: sulfur; O: oxygen), wherein the ranges of the atomic fractions in the composition are:

 $0.20 \le a \le 0.45$;

 $0.10 \le b \le 0.20$;

 $0.35 \le c \le 0.60$;

15 $0.03 \le d \le 0.13$;

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(a+b+c+d=1).

- 2. The lithium secondary battery negative electrode component material set forth in claim 1, characterized in that the metallic lithium film incorporates oxygen, and the amount of oxygen incorporated is 1 atomic % or more, but 10 atomic % or less.
- 3. The lithium secondary battery negative-electrode component material set forth in claim 1 or 2, characterized in that the metallic lithium film is present with oxygen content in the interface between the metallic lithium film

and the inorganic solid-electrolyte film being 1 atomic % or more, but 10 atomic % or less.

4. A method of manufacturing the lithium secondary battery negative-electrode component material set forth in any of claims 1 through 3, the method of manufacturing the lithium secondary battery negative-electrode component material characterized in forming the metallic lithium film and the inorganic solid-electrolyte film by a vapor deposition method, the vapor deposition method being vacuum deposition, ion plating, sputtering, or laser ablation.

5

5. A lithium secondary battery characterized in employing the lithium secondary battery negative-electrode component material set forth in any of claims 1 through 3.